

# ICAPS

**Interactive Computer  
Aided Provisioning System  
(ICAPS)**

**PCOE - July 2007**

# ICAPS Project Overview

- ✓ **ICAPS is the one software recognized as the tool for the Navy in performing their provisioning function and the primary means of developing and updating Allowance Lists**
  - ✓ Maritime: Develop and Update Allowance Parts Lists (APLs) and Allowance Equipage Lists (AELs). The Data Repository files are at NAVICP-Mechanicsburg (WSF, MAPL, NSAF, CCF, C10, C14)
  - ✓ Aviation: Develop and Update Allowance Requirement Registers (ARRs). The Data Repository files are at NAVICP-Philadelphia (MIF)
  - ✓ Maritime/Aviation: Assign National Stock Numbers and compute Supply System Stock and Shipboard/Aircraft Allowances
- ✓ **All Interface Files are via the DECC in Mechanicsburg with secondary interfaces with the NAVICP System Stock/Allowance Computations, and DLSC for NSN Screening/Assignment**

# ICAPS Project Overview

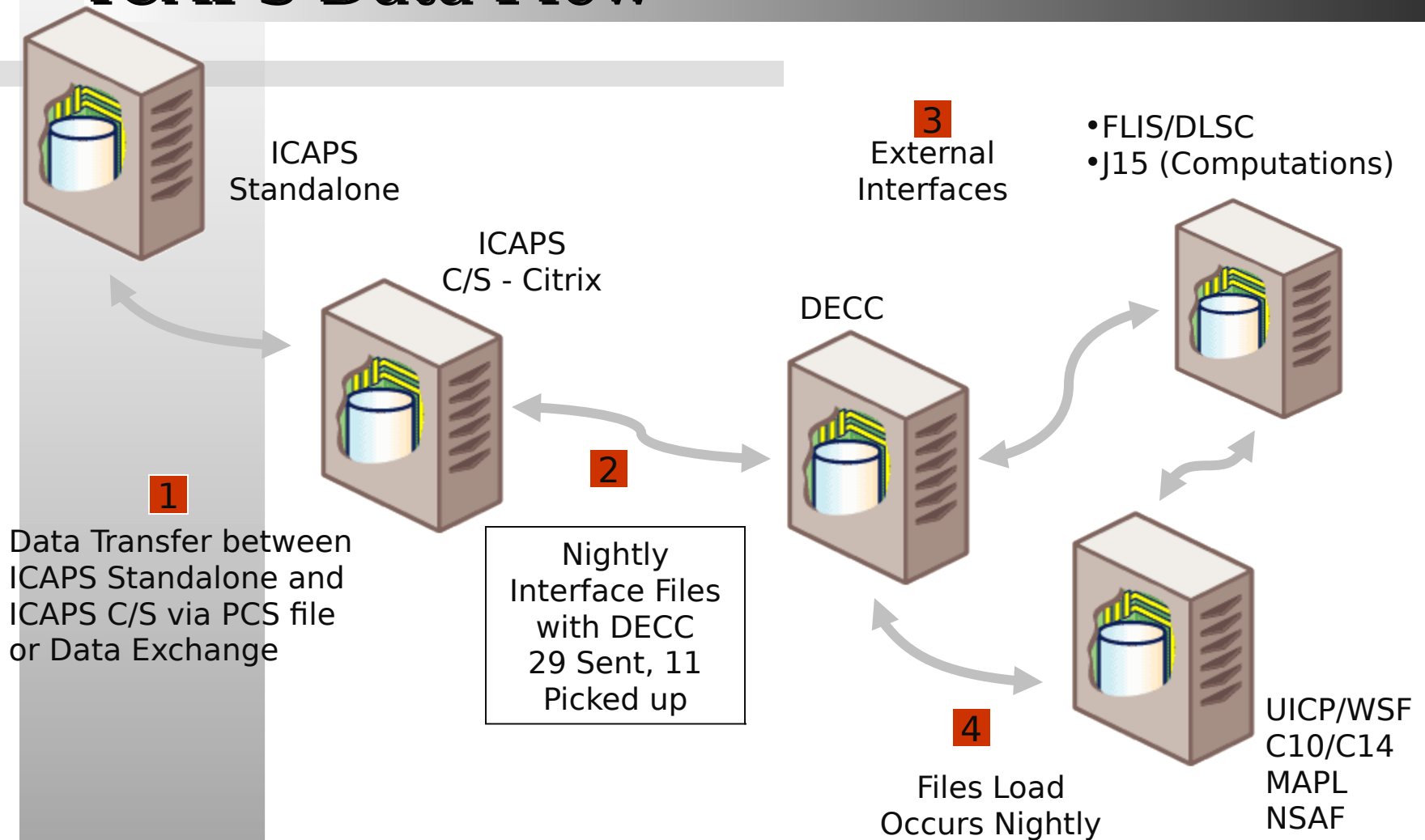
## ✓ **ICAPS Citrix**

- ✓ Operates via the Internet utilizing Citrix (No ICAPS Unique Program Required)
- ✓ Accessed from the ICAPS Webpage (<https://icaps.navsea.navy.mil>)
- ✓ Servers/Database at NAVSEALOGCEN Indian Head
- ✓ Shared Data Environment - Concurrently Process Data

## ✓ **ICAPS Standalone**

- ✓ Operates in Windows environment on a Standalone PC
- ✓ Data Development (Contractor/TSA Functionality Only)
- ✓ Unique Data Environment - Transfer Routines (Data Exchange/PCS) to Load ICAPS Citrix
- ✓ Additional Users - Coast Guard, Army, Air Force, National Weather Service, Royal Netherlands Navy

# ICAPS Data Flow



# Current Version/NMCI Users

- **Current Version of ICAPS C/S and Standalone is ICAPS 5.1**
- **Non-NMCI Users can download the installation file from the ICAPS Webpage ( <https://icaps.navsea.navy.mil> )**
- **NMCI Users**
  - ICAPS 5.1 - NMCI Certified on June 2006
    - Authority To Operate granted Aug 2006 (expires Aug 2009)
  - MAC Required for NMCI Installation
    - ICAPS 5.1 NMCI Information
      - DADMS 36529
      - CDA RFS 95410
      - Instance - L\_ICAPS\_51\_WIN

# Provisioning Process/PTD Release

- **Improved/Simplified APL Development/Maintenance Process**
  - **Makes the APL data development and APL Maintenance processing in ICAPS more streamlined.**
  - **Use of DCN Flag on Header Screen 1 [Identifies type of provisioning effort]**
    - **N - New APL**
    - **E - ECP APL**
    - **U - APL Update (Adds/Deletes)**
    - **M - Data Element Maintenance (SM&R, QTY, etc.)**
    - **X - Combination of U and M**
  - **Color-Coding of Required Data Elements (LMI)**
  - **Validations are based on type of Provisioning and Project Type**
    - **Example: APL Updates/Deletes - only CAGE/PN and NIIN required**
- **TSA ICAPS Processing Guidance.doc on Webpage under Help and then ICAPS Processing section**

ICAPS (Active/Maintenance) - [Project Headers PCCN ANNNNN]						
Project Header 1	Project Header 2	Status Data	Default/Propagation/Generation/Validation	RIC/UOC/Model Code	ARR Data	CID
<b>PIIN/SPIIN</b> NO CONTRACT		<b>Nomenclature, Model, Type Number</b> DCN FLAG OF N		<b>Control Data</b> 1388-A		<b>Prime CAGE</b> 32323
<b>Contractor/TSA/NAVICP</b> Contractor CTSC TSA NSLCOSJAX NAVICP NSLCOSJAX		<b>Form</b> <input type="radio"/> CaNDI <input type="radio"/> PAL <input checked="" type="radio"/> LMI <input type="radio"/> 1388-2A <input type="radio"/> NAVICP-1 <input type="radio"/> 1388-B <input type="radio"/> NAVICP-P <input type="radio"/> 1552A		<b>Project Type</b> <input type="radio"/> HME <input checked="" type="radio"/> Electronic <input type="radio"/> Ordnance <input type="radio"/> Other/AEL		<b>1st Key PCCN</b> <input type="text"/> <b>List Date</b> 00/00/0000 <b>2nd Key PCCN</b> <input type="text"/> <b>Date Created</b> 02/11/2005
<b>Navy Support</b> 00/00/0000	<b>MSD / POC</b> 0000001	<b>PSD#</b> NO PSD	<b>Submission Control</b> 00001	<b>DCN Flag</b> N	<b>Calculations</b> <input checked="" type="radio"/> On <input type="radio"/> Off	
<b>Remarks</b> <div style="border: 1px solid black; height: 100px;"></div>					<b>RIC/APL</b> <input type="text"/>	
<div> <span>Save</span> <span>CCB Data</span> <span>PLISN Data</span> <span>Vals On</span> <span>Close</span> </div>						



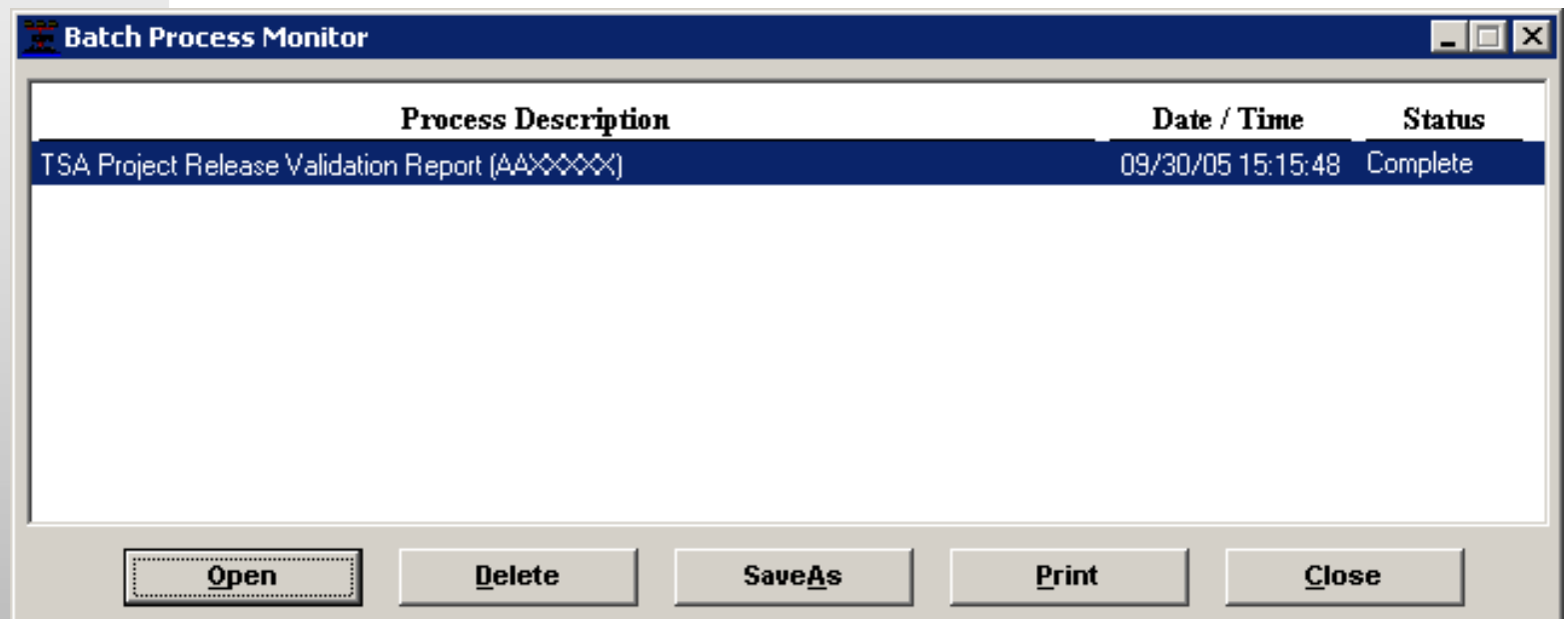




# Provisioning Process/PTD Release

- **TSA PTD Release Validation Requirement**
  - Validates and verifies the data that is provided by the ISEA/TSA to NAVICP at the time the data is released. This process helps ensure data accuracy and also reduces the amount of packages rejected and/or reworked
  - When the TSA enters a “C” in the TSA Release field to release the data to NAVICP, ICAPS runs a Validation Report
    - If it passes, the Batch Monitor will display “COMPLETE”
    - If it fails, the Batch Monitor will display “Vals Failed” and the Release Code of “C” is removed. You can open up the report in the Batch Monitor to view the errors
  - TSA Project Release Validation Report also under Reports Menu
- **TSA ICAPS PTD Release Process.doc on Webpage under Help and then ICAPS Processing section**

ICAPS (Active/Maintenance) - [Project Headers PCCN ANNNNN]						
File Utilities <u>P</u> LISN Access <u>D</u> ata Access Reports <u>T</u> ransfer Help						
Project Header 1	Project Header 2	Status Data	Default/Propagation/Generation/Validation	RIC/UOC/Model Code	ARR Data	CID
TSA Release	TSA Date	TSA Concurrence Required	NAVICP Release	NAVICP Date	Date Loaded To WSF	OR/SI
<input type="text" value="C"/>	<input type="text" value="00/00/0000"/>	<input type="text" value="N"/>	<input type="text"/>	<input type="text" value="00/00/0000"/>	<input type="text" value="00/00/0000"/>	<input type="text"/>
Incremental PCCN	Alteration Indicator	QPEI Method	Select Audit	Archive Upon Completion	Parts Loaded	APL Extract
<input type="text"/>	<input type="text"/>	<input type="text" value="S"/>	<input type="text" value="Y"/>	<input type="text" value="Y"/>	<input type="text" value="X"/>	<input type="text"/>
MIF/WSF Refresh	Screen UICP/FLIS	Screening Out Date	Screening Return Date	ODRC	FLIS Out Count	Release to APL Q.A.
<input type="text"/>	<input type="text"/>	<input type="text" value="00/00/0000"/>	<input type="text" value="00/00/0000"/>	<input type="text" value="9911"/>	<input type="text" value="0"/>	<input type="text"/>
<input type="button" value="Save"/>	<input type="button" value="CCB Data"/>	<input type="button" value="PLISN Data"/>	<input type="button" value="Vals On"/>	<input type="button" value="Close"/>		



**Batch Process Monitor**

Process Description	Date / Time	Status
TSA Project Release Validation Report (ANNNNN)	09/30/05 15:13:28	Val Failed

Date 09/30/2005

## Interactive Computer Aided Provisioning System Error List for PCCN

Page 1

ID 3500-02

Owner CHAMBERS,RICHARD

NSLCOSOJAX Format LMI

User ID ZGYOUR

PCCN ANNNNN

NAVICP

NSLCOSOJAX

ORSI

PLISN	Erroneous Data Element Title	Invalid Data Element Value	DEN	Rule#	Error Message
A001	ALLOWANCE OVERRIDE DES CODE	E	C007B	6	The Allowance Override (AOR) Code must not = E unless the TSA Activity Designator = NUWC-DETNOR or NFLEC. An AOR of E is restricted for 2M Modular Repair and for use by Naval Facilities only. Please contact the ICAPS Support Desk (icaps@navy.mil) if you have any questions.
A001	DEMILITARIZATION CODE		D017	2	Demilitarization Code must not = blank
A001	DESIGNATED REWORK POINT		F016	3	Designated Rework(Overhaul) Point (F016) not = blank if SM&R position 1 = P, position 5 = D or K and NIIN = blank
A001	MAINTENANCE REPLACEMENT RATE I	0.0000	F027A	3	Must not be 0 if position 1 of the Source Code = P and the NIIN is blank
A001	REMAIN IN PLACE INDICATOR	X	F078	10	A RIP Code of X is invalid for new Depot Level Repairables. A RIP Code of X indicates that the item has not been screened for RIP worthiness. Please review this assignment and assign a valid RIP (such as "N" to identify that the item is not RIP worthy)
A001	PRODUCTION LEAD TIME	0	B010A	3	PLT may not be zero SM&R position 1 = P and NIIN = blank
A001	UNIT OF ISSUE PRICE	0.0000	B052	5	Unit Price must be > 0

Save As

Print

Print Setup

100

Close

# ICAPS Key Points

- **Use Data Exchange to transfer files (SA <-> CS)**
  - **UM Qty, MIP/MRC**
- **Verify all uploads and PTD Releases via the Batch Monitor**
- **Backup your standalone database and avoid using the ICAPS installed database of icaps-local.db**
- **Use the correct DCN Flag (enter yellow and blue fields only)**
  - **N - New APL**
  - **E - ECP APL**
  - **U - APL Update (Adds/Deletes)**
  - **M - Data Element Maintenance (SM&R, QTY, etc.)**
  - **X - Combination of U and M**

# ICAPS Modifications In Process

- **New MAPL Validations**
- **PCCN Duplication to allow the change of Activity Designators**
- **Data Exchange Modification**
- **New Utility to Delete all unused Part and NIIN Records in Standalone**
- **Numerous NAVICP modifications at the request of NAVICP**



# NAVICP Tools

- **NAVICP has several in-house tools that permit the addition, deletion, and modification of UICP data. These tools are:**
  - **NAVICP-Mechanicsburg**
    - NAVICP-M FMT (via Oracle Tables)
    - C14LBC (via Oracle Tables)
    - PTSP (Mainframe)
    - PTWY (Mainframe)
    - PTEM (Mainframe)
  - **NAVICP-Philadelphia**
    - NAVICP-P FMT (via Oracle Tables)
    - PTSP (Mainframe)
    - PTEM (Mainframe)

# NAVICP Tools

- **PTSP, PTEM, and PTWY are antiquated mainframe programs with direct access to the UICP data. These tools allow for direct updates of the UICP data with no validations applied, which adversely affects data integrity**
- **NAVICP-M FMT, C14LBC, and NAVICP-P FMT provide indirect access to UICP data via mid-tier Oracle tables. These tools allow for inquiry and updates of the UICP data with validations and generations applied to the updates. These are improved versions of the mainframe programs.**
  - NAVICP-M FMT updates the C10 portion of the UICP Files (NIIN Data, Part Data)
  - C14LBC updates the C14 portion of the UICP File (Level C, APL Data)
  - NAVICP-P FMT updates the Philadelphia MIF File

# NAVICP Tools

- **Effort is underway to incorporate these tools under the ICAPS umbrella (Interfacing with NAVICP Oracle Tables)**
  - NAVICP-M FMT
  - NAVICP-M C14LBC
  - NAVICP-P FMT
- **The impetus of this effort is to consolidate ICAPS and the NAVICP Files Maintenance Tools into a single application to perform the initial load of the UICP and all follow-on updates of the data in the UICP files.**
- **Improved NAVSEA ISEA Query Capability of the UICP data (via the mid-tier Oracle tables)**

# NAVICP Tools Status

- **Completed the Development of NAVICP-P FMT**
  - NAVICP-P is testing and providing feedback
  - Close to being approved
- **Completed the Development of NAVICP-M C14LBC tool**
  - NAVICP-M tested and provided feedback
  - NAVICP-M has accepted the C14LBC Task
- **Completed the Development of NAVICP-M FMT**
  - NAVICP-M has begun testing and will be providing feedback
- **All three efforts will be moved to Production upon approval**

# APL Assignment Tool

- **NAVICP-M utilizes a Tool called the APL Assignment Tool to assign APLs to provisioning projects. They must assign the APL in this tool and then go back to ICAPS and manually re-enter a lot of the same information**
- **Target Systems is currently finalizing the APL Assignment Tool Migration and working with us to interface the two systems.**
  - A “live” interface to share data between data in the APL Assignment Tool and ICAPS will be developed to streamline and automate the APL Assignment process
  - The development of this interface will begin once the “New” APL Assignment Tool has been stood up

# Master Allowance Parts List (MAPL)

- **Master Allowance Parts List (MAPL) Impact on ICAPS**
  - Responsibility of MAPL Data will be transferred to the TSA
  - MAPL Generated Errors will be the responsibility of the TSA
  - Additional validations and processing will be added to ICAPS to ensure data is processed to MAPL with a minimal amount of errors
  - A processing guidance document is in development that will assist the TSA in this new processing
- **Target Systems is currently finalizing the migration**
  - A “live” connection between ICAPS and MAPL will be developed to validate Reference Designators, etc. when data is released by the TSA
  - The development of this interface will begin once the “New” MAPL has been stood up

**ICAPS (Active/Maintenance) - [Project Headers PCCN MAPLON]**

File Utilities PLISN Access Data Access Reports Transfer Help

Project Header 1	Project Header 2	Status Data	Default/Propagation/ Generation/Validation	RIC/UOC/ Model Code	ARR Data	CID
<b>PIIN/SPIIN</b> NO CONTRACT		<b>Nomenclature, Model, Type Number</b> NEW APL - ELECTRONICS		<b>Control Data</b> BASIC	<b>Prime CAGE</b> 12345	
<b>Contractor/TSA/NAVICP</b> Contractor: <input type="text"/> TSA: NSLCOS0JAX NAVICP: NAVICP-M		<b>Format</b> <input type="radio"/> CaNDI <input type="radio"/> PAL <input checked="" type="radio"/> LMI <input type="radio"/> 1388-2A <input type="radio"/> NAVICP-M <input type="radio"/> 1388-2B <input type="radio"/> NAVICP-P <input type="radio"/> 1552A		<b>Project Type</b> <input type="radio"/> HME <input checked="" type="radio"/> Electronic <input type="radio"/> Ordnance <input type="radio"/> Other/AEL	<b>1st Key PCCN</b> <input type="text"/>	<b>List Date</b> 00/00/0000
					<b>2nd Key PCCN</b> <input type="text"/>	<b>Date Created</b> 11/30/2006
<b>Navy Support</b> 00/00/0000	<b>MSD / POC</b> 00000001 00/00/0000	<b>PSD#</b> NO PSD	<b>Submission Control</b> 000001	<b>DCN Flag</b> N	<b>Calculations</b> <input checked="" type="radio"/> On <input type="radio"/> Off	
<b>Remarks</b> <div style="border: 1px solid black; height: 100px; width: 100%;"></div>						
<div style="display: flex; justify-content: space-between;"> <div> <b>Save</b> </div> <div> <b>CCB Data</b> </div> <div> <b>PLISN Data</b> </div> <div> <b>Vals On</b> </div> <div> <b>Close</b> </div> </div>						

### DCN Flag

Must = E, N, or U if Project Type = Electronics  
 DCN Flag cannot be M or X if PCCN is Electronics

# Maintenance Actions for Electronics

- **DCN Flags of M and X are not valid for Electronics PCCNs**
  - To perform Maintenance to an APL or MAPL, a DCN Flag of U should be used
- **Non-Electronics Projects use DCN Flag of M and enter the NIIN and then enter the “to be” value with a TOC of “M”**
  - Change an SM&R Code for an item - enter NIIN and new SM&R
  - Change a Quantity of an item on an APL - enter NIIN and new QTY
- **Electronics Projects use DCN Flag of U and treat the change as an Add. The Add will be processed into MAPL and overlay the existing data for that RSN**
  - Change an SM&R Code for an item - Add PLISN with new SM&R
  - Change a Quantity of an item on an APL - Add PLISN with new QTY



**ICAPS (Active/Maintenance) - [Project Headers PCCN MAPLON]**

File Utilities PLISN Access Data Access Reports Transfer Help

Project Header 1	Project Header 2	Status Data	Default/Propagation/Generation/Validation	RIC/UOC/Model Code	ARR Data	CID
TSA Release	TSA Date	TSA Concurrence Required	NAVICP Release	NAVICP Date	Date Loaded To WSF	OR/SI
<input type="checkbox"/>	12/08/2006	N	<input type="checkbox"/>	00/00/0000	00/00/0000	
Incremental PCCN	Alteration Indicator	QPEI Method	Select Audit	Archive Upon Completion	Parts Loaded	APL Extract
	<input type="checkbox"/>	S	Y	Y	X	<input type="checkbox"/>
MIF/WSF Refresh	Screen UICP/FLIS	Screening Out Date	Screening Return Date	ODRC	FLIS Out Count	Release to APL Q.A.
<input type="checkbox"/>	<input type="checkbox"/>	00/00/0000	00/00/0000		0	<input type="checkbox"/>
<p>MAPL Input</p> <p>MAPL</p>						

Save CCB Data PLISN Data Vals On Close

MAPL Input  
Must = MAPL or SUBST if PCCN is Electronics

# MAPL Input Field

- **Required for Electronic Projects when data is released by the TSA and must = MAPL or SUBST**
  - Must = MAPL if Project Type = Electronics and DCN Flag = E or N
  - Must = MAPL or SUBST if Project Type = Electronics and DCN Flag = U
  - Generate to MAPL if blank for all Electronics Projects
  - An entry of SUBST in the MAPL Input field will delete all the data in MAPL for this APL and overlay it with the data in ICAPS. Are you sure this is what you want to do (Y/N)?

# TSA PTD Release Validations

- **For DCN Flag of “N” and Project Type = Electronics**
  - *All PLISNs must have a unique RSN*
- **For DCN Flag of “E” and Project Type = Electronics**
  - *All Add PLISNs must have a unique RSN*
  - *All Delete PLISNs must have a unique RSN*
  - *The Same RSN (D004) can be used for an Add and a Delete*
- **For DCN Flag of “U” and Project Type = Electronics**
  - *If MAPL Input = MAPL*
    - *All Add PLISNs must have a unique RSN*
    - *All Delete PLISNs must have a unique RSN*
    - *The Same RSN can be used for an Add and a Delete*
  - *If MAPL Input = SUBST*
    - *All PLISNs must be Adds (TOC=blank)*
    - *All PLISNs must have a unique RSN (D004)*

# Future ICAPS-MAPL Validations

- **For DCN Flag of “N” and Project Type = Electronics**
  - *If APL is entered, and that APL exists in MAPL, there must be no RSNs in MAPL*
- **For DCN Flag of “E” and Project Type = Electronics**
  - *If APL is entered, and that APL exists in MAPL, there must be no RSNs in MAPL*
- **For DCN Flag of “U” and Project Type = Electronics**
  - *APL must be in MAPL*
  - *All Delete PLISNs must have an RSN match in MAPL*
  - *Add PLISNs can be in MAPL and they will be treated as overlays if and RSN exists. If the RSN does not exist, it will be treated as an Add*

# ICAPS Webpage

- **URL: <https://icaps.navsea.navy.mil>**
  - **ICAPS Log In**
  - **Installation Software/Instructions**
  - **User Access Form**
  - **Users Guide/Training Guide**
  - **ICAPS Processing Documents**
  - **Technical Related FAQ's**
  - **POC's**
  - **PCOE Webpage**
  - **ICAPS - Excel Macro and Instructions**

# ICAPS POCs

- **Program Manager (NAVSEA 04L4)**
  - Chuck Simmons (215-897-1557, DSN 443)
    - [charles.r.simmons@navy.mil](mailto:charles.r.simmons@navy.mil)
- **Project Manager**
  - Rick Chambers (904-270-6304 X133, DSN 960)
    - [richard.j.chambers@navy.mil](mailto:richard.j.chambers@navy.mil); [icaps@navy.mil](mailto:icaps@navy.mil)
- **Citrix Support**
  - Clyde Pfleegor (301-744-6228, DSN 354)
    - [clyde.pfleegor@navy.mil](mailto:clyde.pfleegor@navy.mil)
- **NAVICP-Mechanicsburg Support**
  - Carl Knapp (717-605-6772, DSN 430)
    - [carl.knapp@navy.mil](mailto:carl.knapp@navy.mil)